WHAT’s MY JOB?- Light Dependent Reaction NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(H)

SUN: Provides \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PHOTOSYSTEM II: Passes \_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when excited by sunlight.
 Receives replacement\_\_\_\_\_\_\_\_ from \_\_\_\_\_\_\_\_\_ splitting.

PHOTOSYSTEM I: Receives e- from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 Passes \_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ELECTRON TRANSPORT CHAIN (ETC):
 First ETC protein receives e- from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and passes e- to \_\_\_\_\_\_\_\_\_\_\_\_\_.

 Middle ETC proteins receive e- from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 and pump \_\_\_\_\_\_\_\_ into \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from stroma.

 Last ETC protein: Receives e- from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_passes e- to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

WATER (H2O):
 Splits and passes 2e- to \_\_\_\_\_\_\_\_\_\_\_ and passes H+ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 What happens to O released when water splits?
 joins with another\_\_\_\_\_ to make \_\_\_\_\_\_ and goes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

STROMA : Passes H+ to thylakoid space through \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 Receives H+ from thylakoid space through \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 Provides H+ for last \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to attach to \_\_\_\_\_\_\_\_\_ to make NADPH.
 Provides P for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to attach to ADP to make \_\_\_\_\_\_\_\_\_

THYLAKOID SPACE:
 Receives \_\_\_\_\_\_ from stroma through \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 Receives \_\_\_\_\_\_ from \_\_\_\_\_\_\_\_ splitting.
 Passes \_\_\_\_\_\_ to stroma through\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ATP SYNTHASE:
 Receives \_\_\_\_\_\_ from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 Passes H+ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 Attaches \_\_\_\_\_\_\_\_ onto \_\_\_\_\_\_\_\_\_\_ to make \_\_\_\_\_\_\_\_\_\_\_\_

NADP+: Receives H+ from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 and 2e- from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to become \_\_\_\_\_\_\_\_\_

ADP: P from \_\_\_\_\_\_\_\_\_\_\_\_\_ is attached by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to make \_\_\_\_\_\_\_\_\_

What happens to ATP and NADPH made by light dependent reactions?
 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_